

## Group

BJTC  $\rightarrow$  12,669,485

IMAN  $\rightarrow$

TWNN  $\rightarrow$  13,197,966.69

CJCG  $\rightarrow$  13,197,966.69


CJAC  $\rightarrow$  13,197,966.69

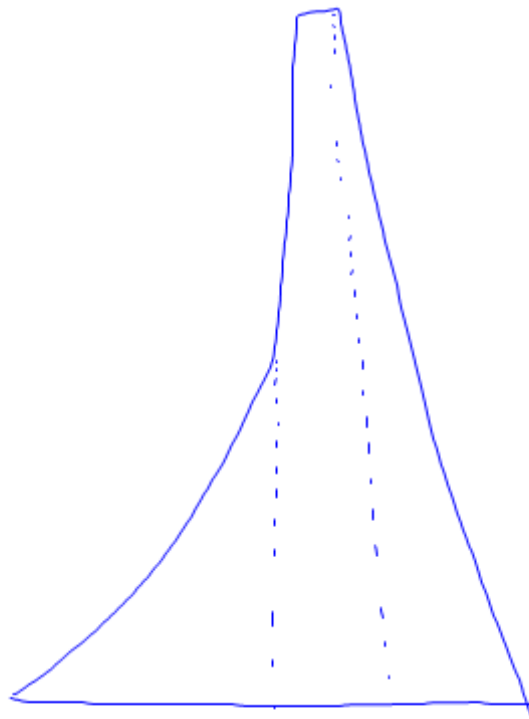
~~$\int 0.0327$~~

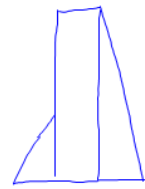
23,502.34 ft

$$150 + (150 + (70 + 59)) / 2 = 214.5$$

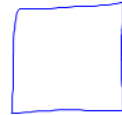
$$\frac{150}{360} = \frac{x}{429\pi} \Rightarrow \frac{(150 \cdot 429\pi)}{360} = 178.75\pi$$

 13,197,966.69 ft<sup>3</sup>



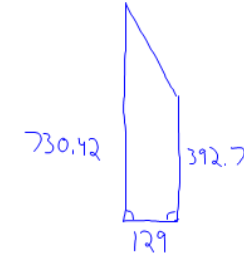
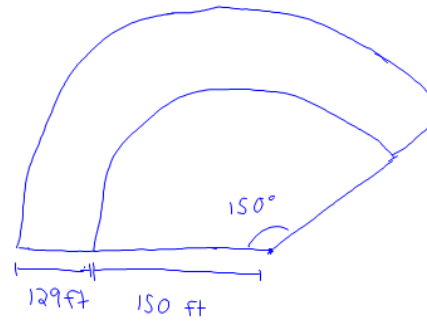


$$= 23,502.72$$



153.31 ft

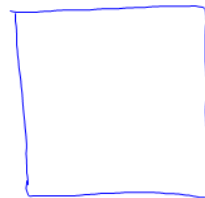
$$153.31 \text{ ft} = 23,502.72$$



72,441.24

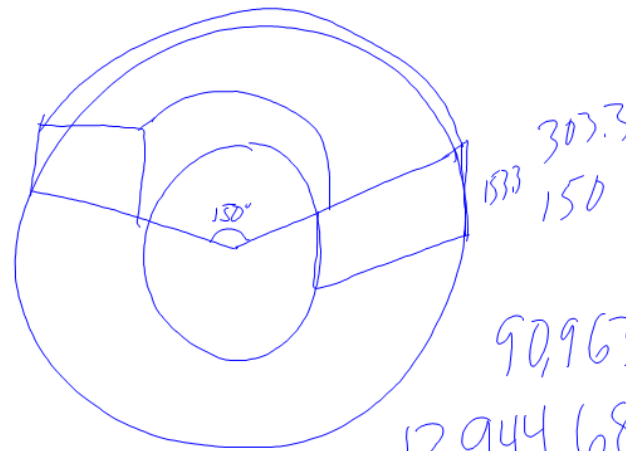
$$A = 72,441.24$$

$$72,441.24 \cdot 153.31 = 11,735,072.56$$



153.3

153.3



307.3  
150

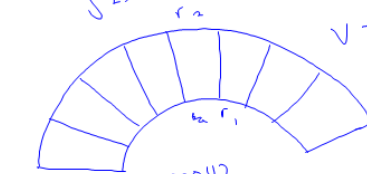
90,963.36

13,944,683.44

$$r_1 = 392.7$$

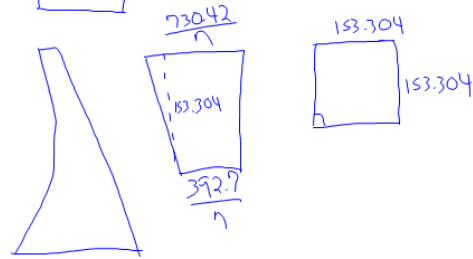
$$r_2 = 730.42$$

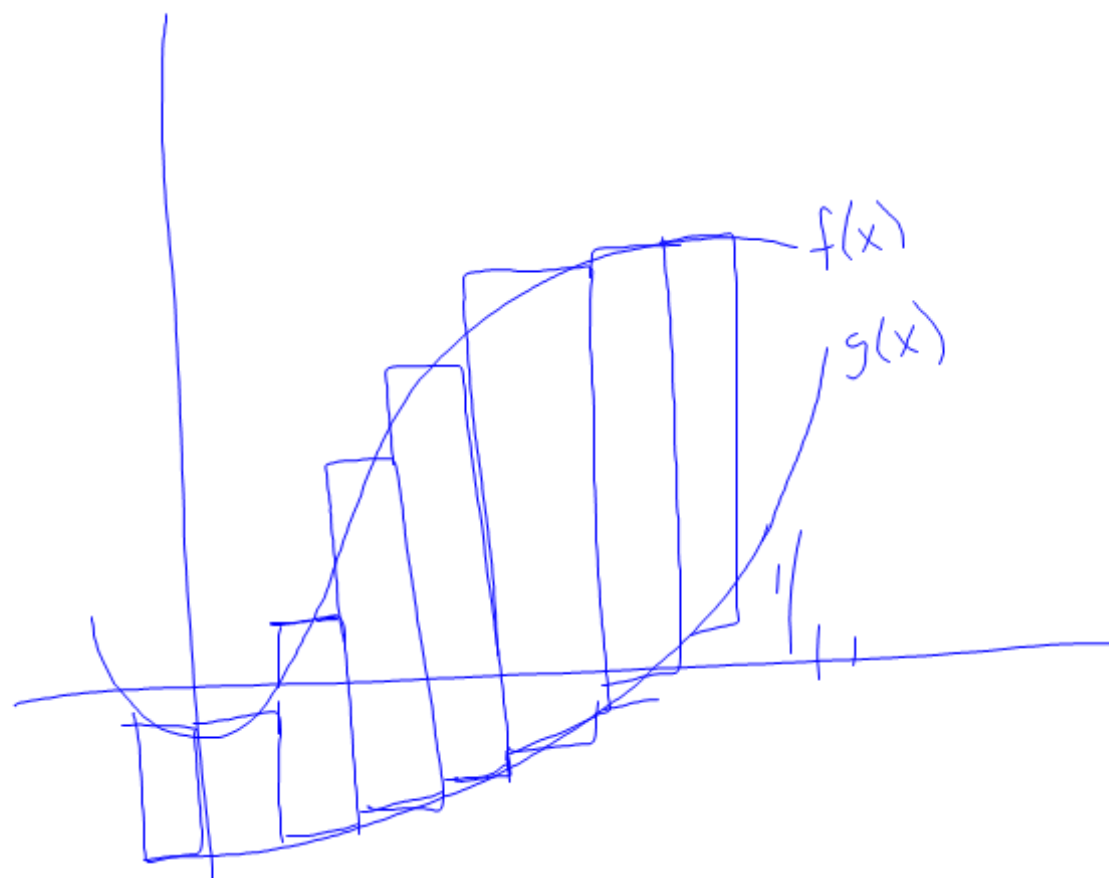
$$\sqrt{23502.304} = 153.304$$



$$V = 153.304n \left[ \frac{153.3}{2} \left( \frac{392.7}{n} + \frac{730.4}{n} \right) \right]$$

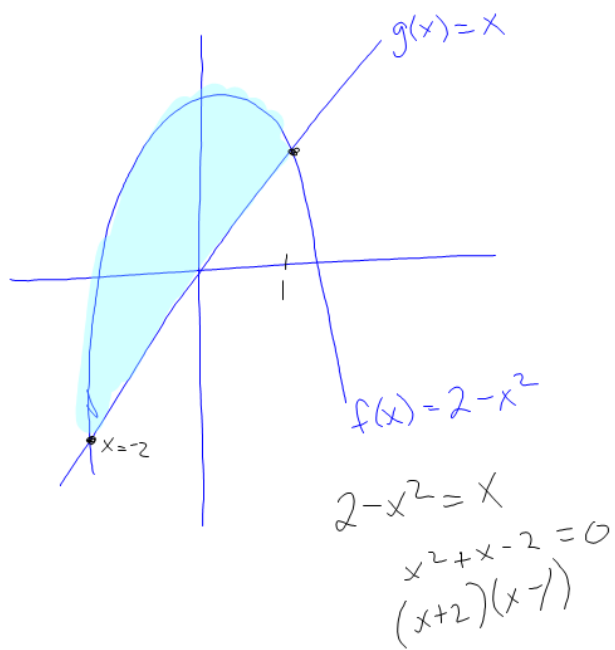
$$13,197,848.49 \text{ ft}^3$$





Area between curves

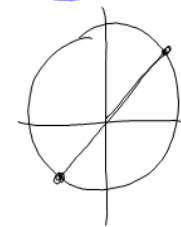
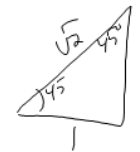
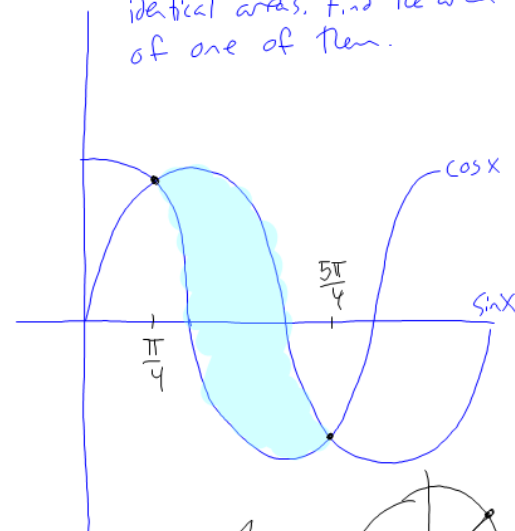
$$\int_a^b [f(x) - g(x)] dx$$



$$\int_{-2}^1 (2 - x^2) dx - \int_{-2}^1 x dx$$

$$2x - \frac{x^3}{3} \Big|_{-2}^1 - \frac{x^2}{2} \Big|_{-2}^1 = \frac{9}{2}$$

Sine + cosine intersect  
to form an infinite number of  
identical areas. Find the area  
of one of them.



$$\int_{\frac{\pi}{4}}^{\frac{5\pi}{4}} \sin x dx - \int_{\frac{\pi}{4}}^{\frac{5\pi}{4}} \cos x dx$$

Sect. 7.2

#1, 2, 5, 6, 7, 14, 36, 38

Read the rest of the section.